

Clinical Trial Protocol

Iranian Registry of Clinical Trials

29 Sep 2026

Effects of citicoline on cerebrovascular hemodynamic status in ischemic stroke patients and comparison with control group

Protocol summary

Summary

In this study, 64 patients with supratentorial ischemic stroke will be evaluated. For all patients within 24 hours of admission, transcranial doppler sonography will be done and after that the patients will be divided into two equal groups and for a week, one group will be treated with citicoline 500 mg daily and the second group with placebo and again transcranial doppler sonography will be done and the data will be analyzed.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201705278430N9**
Registration date: **2017-06-21, 1396/03/31**
Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2017-06-21, 1396/03/31

Registrant information

Name

Farhad Iranmanesh

Name of organization / entity

Kerman University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

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Email address

fpp_farhad@yahoo.com

Recruitment status

Recruitment complete

Funding source

Kerman Medical University

Expected recruitment start date

2016-08-22, 1395/06/01

Expected recruitment end date

2017-03-21, 1396/01/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effects of citicoline on cerebrovascular hemodynamic status in ischemic stroke patients and comparison with control group

Public title

Effects of citicoline on cerebrovascular hemodynamic status in ischemic stroke patients

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria :Supratentorial ischemic stroke ; stroke within 24 hours of admission
Exclusion criteria:Embolitic stroke ; lacunar infarction ;Thrombolytic therapy;Drug sensitivity

Age

No age limit

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **64**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Double blinded
Blinding description
Placebo
Used
Assignment
Parallel
Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Ethics Committee of Kerman Medical University

Street address

Kerman Haft bagh road

City

Kerman

Postal code

Approval date

2015-04-25, 1394/02/05

Ethics committee reference number

IR.Kmu.REC.1394.735

Health conditions studied

1

Description of health condition studied

Ischemic Stroke

ICD-10 code

I63

ICD-10 code description

occlusion and stenosis of cerebral and precerebral arteries, resulting in cerebral infarction

Primary outcomes

1

Description

Peak systolic velocity and Mean flow velocit

Timepoint

first and 7th day

Method of measurement

cm / sec by Doppler sonography

Secondary outcomes

1

Description

increase blood flow

Timepoint

first and 7th day

Method of measurement

Peak systolic velocity and Mean flow velocity by sonography

Intervention groups

1

Description

Intervention group : 500 ml Iv citicoline daily for a week

Category

Treatment - Drugs

2

Description

Control group:Placebo for a week

Category

Treatment - Drugs

Recruitment centers

1

Recruitment center

Name of recruitment center

Shafa Hospital

Full name of responsible person

Farhad Iranmanesh

Street address

Shafa hospital,Shafa Street,Kerman

City

Kerman

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Neurology Research Center, Kerman Medical University

Full name of responsible person

Elham Khadir

Street address

Shafa hospital,Shafa street,Kerman

City

Kerman

Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Neurology Research Center, Kerman Medical University

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin
Type of organization providing the funding
empty

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Person responsible for general inquiries

Contact

Name of organization / entity
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Person responsible for scientific inquiries

Contact

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Person responsible for updating data

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Web page address

Sharing plan

Deidentified Individual Participant Data Set (IPD)
empty
Study Protocol
empty
Statistical Analysis Plan
empty
Informed Consent Form
empty
Clinical Study Report
empty
Analytic Code
empty
Data Dictionary
empty